

CLAIMS

- E1
1. In a data processing environment having a data base management system including a data base containing a first data table and a second data table wherein said data base management system is capable of executing a plurality of data base management functions with respect in said first data table and said second data table and wherein said data processing environment also has a user terminal with a user-id wherein said user terminal generates a service request which service request requires performance of one of said plurality of data base management functions wherein said performance of said one of said plurality of data base management functions requires access to said first data table, the improvement comprising:
 - a security profile corresponding to said user-id whereby said data base management system honors said service request if and only if said security profile corresponds to access to said first data table without regard to which of said plurality of data base management functions is required to perform said service request.
 2. The improvement according to claim 1 wherein said security profile corresponds to said first data table and does not correspond to access of said second data table.
 3. The improvement according to claim 2 further comprising a second user terminal with a second user-id for generating a second service request requiring access to said second data table wherein said second user terminal is prohibited from accessing said first data table by a second security profile associated with said second user-id.

4. The improvement according to claim 3 further comprising a third user terminal with a third user-id for generating a third service request for accessing said first data table and said second data table wherein said third user-id corresponds to a third security profile for accessing both of said first data table and said second data table.

SUB H17
5. In a data processing environment having a user terminal with a user-id for generating a service request for access to a data table responsively coupled to a data base management system having a data base containing a first data table and containing a second data table, the improvement comprising:

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- a) a security profile corresponding to said user-id whereby said data base management system permits said user terminal to access said first data table if and only if said security profile corresponds to access to said first data table and prohibits access to said second data table if said user-id does not correspond to said second data table;
 - b) wherein said security profile corresponds to said first data table and does not correspond to access of said second data table;
 - c) a second user terminal with a second user-id for generating a second service request for accessing said second data table wherein said second user terminal is prohibited from accessing said first data table;
 - d) a third user terminal with a third user-id for generating a third service request for accessing said first data table and said second data table wherein said third user-id corresponds to a third security profile for accessing both of said first data table and said second data table; and
 - e) wherein said data base management system is CLASSIC MAPPER.

6. An apparatus comprising:

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- a. a user terminal having a user-id;
 - b. a data base management system having access to a data base with a plurality of data tables responsively coupled to said user terminal; and
 - c. a security profile located within said data base management system corresponding to said user-id wherein said data base management system provides access to a particular first one of said plurality of data tables of said data base by said user terminal if and only if said user-id corresponds to said security profile and prohibiting access to a particular second one of said plurality of data tables of said data base by said user terminal if said user-id does not correspond to said second one of said plurality of data tables independent of any particular data base management function required for said access.

7. The apparatus of claim 6 wherein said user terminal causes said data base management system to communicate with said data table by transferring a service request to said data base management system.

E2

8. The apparatus of claim 7 wherein said data base management system communicates with said data base using a particular command language script.

9. The apparatus of claim 8 wherein said service request corresponds to said particular command language script.

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10. The apparatus of claim 9 wherein said security profile corresponds to said particular command language script.

11. A method of utilizing a user terminal having a user-id to access a remote data base management system capable of performing a plurality of data base management functions having a data base with a plurality of data tables comprising:

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- a. transmitting a service request requiring access to a one of said plurality of data tables from said user terminal wherein to honor said service request requires performance by said remote data base management system of one of said plurality of data base management functions;
 - b. receiving said service request by said remote data base management system;
 - c. determining a security profile corresponding to said one of said plurality of data tables wherein said security profile permits access by every one of said plurality of data base management functions;
 - d. comparing said security profile with said user-id;
 - e. honoring said service request if and only if said user-id corresponds to said security profile; and
 - f. denying said service request if said user-id does not correspond to said security profile

12. A method according to claim 11 wherein said transmitting step further comprises transmitting said user-id corresponding to said one of said plurality of data tables.

13. A method according to claim 12 wherein said honoring step further comprises executing a command language script corresponding to said service request.

14. A method according to claim 13 wherein said comparing step further comprises accessing said security profile as corresponding to said command language script.

SUB H27
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15. A method of utilizing a user terminal having a user-id to access a remote data base management system having a data base with a plurality of data tables comprising:

- a. transmitting a service request requiring access to a one of said plurality of data tables from said user terminal;
- b. receiving said service request by said remote data base management system;
- c. determining a security profile corresponding to said one of said plurality of data tables;
- d. comparing said security profile with said user-id;
- e. honoring said service request if and only if said user-id corresponds to said security profile;
- f. denying said service request if said user-id does not correspond to said security profile;
- g. wherein said transmitting step further comprises transmitting said user-id corresponding to said one of said plurality of data tables;
- h. wherein said honoring step further comprises executing a command language script corresponding to said service request;

i. wherein said comparing step further comprises accessing said security profile as corresponding to said command language script; and

j. wherein said remote data base management system further comprises CLASSIC MAPPER data base management system.

16. An apparatus comprising:

a. means having a user-id for permitting a user to use a service request to interact with a data table of a digital data base having a plurality of data tables [using a service request];

b. means responsively coupled to said permitting means for offering data processing services to said user in response to said service request involving access to said data table in accordance with one of a plurality of data base management functions; and

c. means responsively coupled to said offering means for preventing said offering means from offering data processing services to said user in response to said service request unless said user-id corresponds to a security profile wherein said security profile permits access to said data table by any one of said plurality of data base management functions.

17. An apparatus according to claim 16 wherein said offering means further comprises means for storing command language script corresponding to said service request.

18. An apparatus according to claim 17 wherein said storing means also stores said security profile.

19. An apparatus according to claim 18 wherein said offering means further comprises
CLASSIC MAPPER data base management system.

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20. An apparatus according to claim 19 wherein said permitting means further comprises an
industry standard personal computer.
